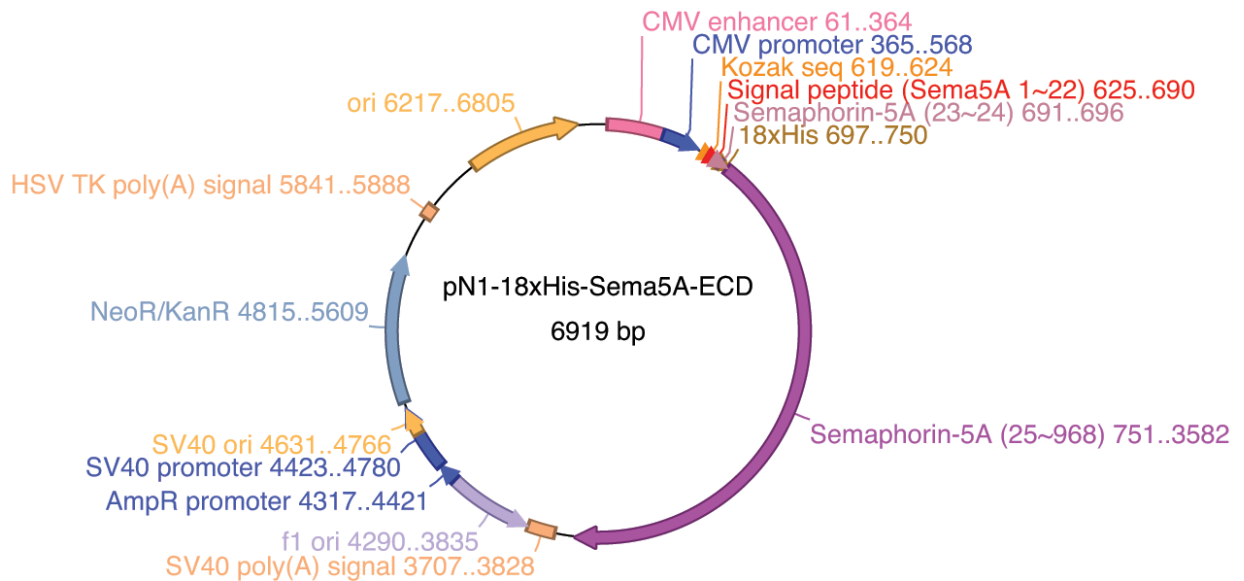


## Plasmid Data Sheet

- \* **Plasmid Name and Size:** [pN1-18xHis-Sema5A-ECD; 6919 bp](#)
- \* **developed at the BioMed Resource Core of the 1<sup>st</sup> Core Facility Lab, NTU-CM**
- \* **Sema5A-ECD:** Homo sapiens semaphorin 5A-extracellular domain
- \* **NCBI Reference Sequence:** NM\_003966.2
- \* The pN1 vector is modified from pEGFP-N1
- \* **Primers:**

BMRC-1941	CCCACCCAGAGGCCCATCATCACCATCACCATCATCATCACCA TCACCATCATCATCACCATCACCATCAGGGTACGACTCAGTGC	18xHis-Sema5A-ECD
BMRC-1843	ggactcagatctcgaggccaccATGAAGGGAACCTGTGTTATAGCATGGCT GTTCTCAAG	pN1-6xHis-Sema5A-FLAG (XhoI)
BMRC-1845	ATAGCATGGCTGTTCTCAAGCCTGGGGCTGTGGAGACTCGCC CACCCAGAGGCCCATCAT	Sema5A-His
BMRC-1892	tctagagtgcgcccgcTTACATGTTGAACTCTCCACACC	18xHis-Sema5A-ECD (NotI)

- \*  TA cloning vector or  Mammalian;  Yeast;  *E. coli*; expression vector
- \* plasmid amplify in *E. coli* is  high; or  low copy number
- \* expression level is  low or  high
- \* expression promoter: CMV immediate early promoter
- \* antibiotic selection: Kan and Neo
- \* epitope or tag: 18xHis





DNA Sequence of pN1-18xHis-Sema5A-ECD

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